

## NASA Flight Surgeon Duties

James Locke MD MS  
Lead, Flight Medicine Clinic  
NASA Johnson Space Center

### NASA Flight Surgeon

- Aircraft Operations Division
  - Medical Certification of Pilots and Flight Crew at JSC
  - Medical care of Aircrew
  - Fly with Aircrew (familiarization with the flight environment and pilots' performance)
  - Provide medical recommendations for aircraft hardware, policies and procedures
  - Medical support of overseas deployments
  - Medical support of Reduced Gravity Office "vomit comet"



### NASA Flight Surgeon

- Based at Johnson Space Center Houston, TX
- Responsibilities:
  - Clinical
    - Medical certification of astronauts for training and missions
    - Medical care of astronauts and their dependents
    - Perform annual evaluations of retired astronauts
  - Operational
    - Provide medical support of Space Missions
    - Medical oversight of training
    - Support crewmembers prior to launch
    - Participate in contingency/rescue management during launch and landing
    - Serve as part of Flight Control Team in Mission Control during missions
    - Monitor Extra-vehicular activities ("EVA's"= spacewalks)
    - Prepare the crew for return to Earth
    - Extricate the crewmembers from the landing vehicle and prep them for PR activities
    - Supervise medical research performed on crew.
    - Supervise rehabilitation



























